



STATE OF IDAHO
DIVISION OF
ENVIRONMENTAL QUALITY

9507-108-2A

1410 North Hilton, Boise, ID 83706-1255, (208) 373-0502

Philip E. Batt, Governor

December 23, 1998

CERTIFIED MAIL #P 102 109 645

Duane Ball, Assistant Technical Services
Idaho Supreme Potatoes, Incorporated
P.O. Box 246
Firth, Idaho 83236

RE: Idaho Supreme Potatoes, Incorporated (Firth)
Revised Tier II Operating Permit (#011-00013)

Dear Mr. Ball:

The Idaho Division of Environmental Quality (DEQ) received a request on July 6, 1998, to modify certain requirements within its existing Tier II Operating Permit (OP) #011-00013.

Based on review of your application, and state and federal rules and regulations, DEQ finds this project meets the provisions of IDAPA 16.01.01.400 (Rules for the Control of Air Pollution in Idaho). Therefore, enclosed is your Tier II OP (#011-00013) for the emission sources that exist at the facility. This amended permit supersedes the permit that was originally issued on January 16, 1996.

You, as well as any other entity, may have the right to appeal this final agency action pursuant to the Idaho Department of Health and Welfare Rules, Title 5, Chapter 3, "Rules Governing Contested Case Proceedings and Declaratory Rulings," by filing a petition with the Hearings Coordinator, Department of Health and Welfare, Administrative Procedures Section, 450 West State Street - 10th Floor, Boise, Idaho 83720-5450, within thirty-five (35) days of the date of this decision.

If you have any questions regarding the terms or conditions of the enclosed permit, please contact Susan J. Richards, Chief, Air Quality Permitting Bureau, at (208) 373-0502.

Sincerely,


R. Wilkoy for:

Orville D. Green
Assistant Administrator
Air Quality Permitting Bureau

ODG\SJR\REB\jrj\permit\idsupreme\idsup-r.COV

Enclosure

cc: M. Lowe, Pocatello Regional Office
Source File (#011-00013)
COF

| | |
|---|---|
| STATE OF IDAHO AIR POLLUTION OPERATING PERMIT GENERAL INFORMATION | <div style="text-align: center; border-bottom: 1px solid black; margin-bottom: 5px;"> PERMIT NUMBER <div style="display: flex; justify-content: space-around; font-family: monospace; font-size: 1.2em;"> 011-00013 </div> </div> <div style="display: flex; justify-content: space-between; font-size: 0.8em;"> <div style="text-align: center;"> AQCR <div style="border: 1px solid black; padding: 2px; display: inline-block;">061</div> </div> <div style="text-align: center;"> CLASS <div style="border: 1px solid black; padding: 2px; display: inline-block;">A2</div> </div> <div style="text-align: center;"> SIC <div style="border: 1px solid black; padding: 2px; display: inline-block;">2034</div> </div> </div> <div style="display: flex; justify-content: space-between; font-size: 0.8em; margin-top: 5px;"> <div style="text-align: center;"> ZONE <div style="border: 1px solid black; padding: 2px; display: inline-block;">12</div> </div> <div style="text-align: center;"> UTM COORDINATE (km) <div style="display: flex; align-items: center; gap: 5px;"> <div style="border: 1px solid black; padding: 2px;">404</div> <div style="border: 1px solid black; padding: 2px;">8</div> <div style="border: 1px solid black; padding: 2px;">4795</div> <div style="border: 1px solid black; padding: 2px;">9</div> </div> </div> </div> |
| 1. PERMITTEE Idaho Supreme Potatoes, Incorporated | |
| 2. PROJECT Tier II Operating Permit | |
| 3. MAILING ADDRESS P.O. Box 246 | TELEPHONE # (208) 346-6841 |
| COUNTY Bingham | |
| 4. CITY Firth | STATE Idaho |
| ZIP CODE 83236 | |
| 5. PERSON TO CONTACT Duane Ball | TITLE Assistant Technical Services |
| 6. EXACT PLANT LOCATION Corner of Hwy 91 and 800 North Goshen Hwy. | |
| 7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS Dehydrated Potato Processing Plant | |
| 8. PERMIT AUTHORITY <p>This permit is issued according to the Rules for the Control of Air Pollution in Idaho, Section 16.01.01.400 and pertains only to emissions of air contaminants which are regulated by the State of Idaho and to the sources specifically allowed to be operated by this permit.</p> <p>THIS PERMIT HAS BEEN GRANTED ON THE BASIS OF DESIGN INFORMATION PRESENTED IN THE APPLICATION AND DEQ'S TECHNICAL ANALYSIS OF THE SUPPLIED INFORMATION. CHANGES IN DESIGN OR EQUIPMENT, THAT RESULT IN ANY CHANGE IN THE NATURE OR AMOUNT OF EMISSIONS, MAY BE A MODIFICATION. MODIFICATIONS ARE SUBJECT TO DEPARTMENT REVIEW IN ACCORDANCE WITH Section 16.01.01.200 OF THE Rules for the Control of Air Pollution in Idaho.</p> | |
| <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 45%;">  ASSISTANT ADMINISTRATOR DIVISION OF ENVIRONMENTAL QUALITY </div> <div style="width: 50%; text-align: right;"> ISSUED DATE <u>DECEMBER 23, 1998</u> EXPIRATION DATE <u>JANUARY 16, 2001</u> </div> </div> | |

**AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION**

Idaho Supreme Potatoes, Incorporated
Tier II Operating Permit
Firth, Idaho

PERMIT NUMBER

0 1 1 - 0 0 0 1 3

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Fuel Burning Equipment - Boilers

1. EMISSION LIMITS
1.1 Boilers #1 and #2
1.1.1 Natural Gas Combustion

The particulate matter (PM) emissions from each boiler shall not exceed 0.015 grains per dry standard cubic foot of effluent gas adjusted to three percent (3%) oxygen by volume when natural gas is combusted (IDAPA 16.01.01.676). PM and PM₁₀ emissions shall not exceed any applicable emission limit from the combustion of natural gas listed in Appendix A of this permit.

1.1.2 Other Criteria Pollutant Emissions

Emissions of nitrogen oxides (NO_x), sulfur dioxide (SO₂), carbon monoxide (CO), and volatile organic compounds (VOC) from the boilers shall not exceed the pound per hour (lb/hr) and ton per year (T/yr) values listed in Appendix A of this permit.

1.1.3 Visible Emissions

Visible emissions from the exhaust stack of each boiler shall not exceed twenty percent (20%) opacity over a period or periods aggregating more than three (3) minutes in any sixty (60) minute period in accordance with IDAPA 16.01.01.625. Opacity shall be determined using DEQ's "Procedures Manual for Air Pollution Control".

1.1.4 Boiler #1 Distillate Fuel Oil Combustion

The particulate matter (PM) emissions from the Bigelow boiler shall not exceed 0.050 grains per dry standard cubic foot of effluent gas adjusted to three percent (3%) oxygen by volume when #2 distillate fuel oil is combusted (IDAPA 16.01.01.676). Emissions also shall not exceed any applicable PM and PM₁₀ emission limit from the combustion of #2 distillate fuel oil listed in Appendix A of this permit.

2. OPERATING REQUIREMENTS
2.1 Fuel Throughput
2.1.1 Boilers #1 and #2 Natural Gas

The maximum natural gas fuel usage for the boilers shall not exceed 770 MMcf per year on an annual rolling basis.

2.1.2 Boiler #1: Distillate Fuel Oil

The maximum #2 distillate fuel oil throughput shall not exceed 362,900 gallons per year on an annual rolling basis.

2.1.3 Boiler #2: Yearly Operation

The Permittee shall operate the Cleaver Brooks boiler for a period not to exceed fifty (50) hours per year.

ISSUED DATE: DECEMBER 23, 1998
EXPIRATION DATE: JANUARY 16, 2001

RES-IdahoSupremePotatoes.PMT

**AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION**

Idaho Supreme Potatoes, Incorporated
Tier II Operating Permit
Firth, Idaho

PERMIT NUMBER

0 1 1 - 0 0 0 1 3

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Fuel Burning Equipment - Boilers

2.1.4 Boiler #3

Boiler #3 is disconnected from its energy source and from the plant's steam lines. Boiler #3 shall remain disconnected for the duration of this permit.

2.2 System Operation

The Permittee shall install, maintain, and operate the boiler and burner according to the manufacturer's specifications.

2.3 Sulfur Content of #2 Distillate Fuel Oil

The Permittee shall not use any distillate fuel oil containing more than one-half percent (0.5%) sulfur by weight in accordance with IDAPA 16.01.01.728.02.

3. MONITORING REQUIREMENTS
3.1 Operation Parameters Monitoring

The Permittee shall record the following parameters in a quarterly log to verify compliance with Section 2.1 of this permit. The log shall be kept at the facility for a minimum period of two (2) years and shall be made available to DEQ representatives upon request.

3.1.1 Calendar date and natural gas burned, in standard cubic feet (scf) per quarter and per year; and

3.1.2 #2 distillate fuel oil burned, in gallons per quarter and per year.

3.1.3 Hours of operation of the Cleaver Brooks boiler, in hours per quarter and per year.

3.2 Monitoring Sulfur Content of #2 Distillate Fuel Oil

The Permittee shall maintain at the facility fuel receipts from the supplier which certify that the sulfur content of the #2 distillate fuel oil meets the requirements of Section 2.3 of this permit. These records shall be kept at the facility for a minimum period of two (2) years and shall be made available to DEQ representatives upon request.

4. REPORTING REQUIREMENTS
4.1 Exceedance Reporting of Operational Parameters

The Permittee shall submit a written report to DEQ of any exceedance of the parameters specified in Sections 1 and 2 of this permit, within a reasonable time of the exceedance in accordance with IDAPA 16.01.01.130-136.

4.2 Certification of Documents

All documents, including, but not limited to, progress reports, records, monitoring data, supporting information requested for confidential treatment, testing reports, or compliance certifications, shall contain a certification by a responsible official in accordance with IDAPA 16.01.01.123. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certification shall provide the signature and title of the responsible official and the date of the signature.

ISSUED DATE: DECEMBER 23, 1998
EXPIRATION DATE: JANUARY 16, 2001

REG-31-IdahoSupremePotatoes.PMT

**AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION**

Idaho Supreme Potatoes, Incorporated
Tier II Operating Permit
Firth, Idaho

PERMIT NUMBER

0 1 1 - 0 0 0 1 3

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Dryers and Other Natural Gas Burning Equipment

1. EMISSION LIMITS
1.1 Particulate Emissions
1.1.1 Natural Gas Combustion

The particulate matter (PM) emissions from each of the dryers and all other natural gas burning equipment shall not exceed 0.015 grains per dry standard cubic foot of effluent gas adjusted to three percent (3%) oxygen by volume when natural gas is combusted (IDAPA 16.01.01.676). Emissions also shall not exceed any applicable PM and PM₁₀ emission limit listed in Appendix A of this permit.

1.2 Other Criteria Pollutant Emissions

Emissions of nitrogen oxides (NO_x), sulfur dioxide (SO₂), carbon monoxide (CO), and volatile organic compounds (VOC) from the dryers and all other natural gas burning equipment shall not exceed the pound per hour (lb/hr) or the ton per year (T/yr) values listed in Appendix A of this permit.

1.3 Visible Emissions

Visible emissions from the dryers and all other natural gas burning equipment shall not exceed twenty percent (20%) opacity over a period or periods aggregating more than three (3) minutes in any sixty (60) minute period in accordance with IDAPA 16.01.01.625.

2. OPERATING REQUIREMENTS
2.1 Operating Hours
2.1.1 Yearly Operation

The Permittee shall operate the dryers for a period not to exceed 7,920 hours per year on an annual rolling basis.

2.1.2 Fuel Throughput

The maximum natural gas usage of all dryers and other natural gas burning equipment (excluding the boilers) shall not exceed 340 MMcf per year.

3. MONITORING REQUIREMENTS
3.1 Operation Parameters Monitoring

The Permittee shall record the following parameters in a quarterly log to verify compliance with Section 2.1 of this permit. The log shall be kept at the facility for a minimum period of two (2) years and shall be made available to DEQ representatives upon request.

3.1.1 Hours of operation of each dryer.

3.1.2 The amount of natural gas used from all dryers and other natural gas burning equipment (excluding the boilers).

ISSUED DATE: DECEMBER 23, 1998
EXPIRATION DATE: JANUARY 16, 2001

**AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION**

Idaho Supreme Potatoes, Incorporated
Tier II Operating Permit
Firth, Idaho

PERMIT NUMBER

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 0 | 1 | 1 | - | 0 | 0 | 0 | 1 | 3 |
|---|---|---|---|---|---|---|---|---|

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Dryers and Other Natural Gas Burning Equipment

4. REPORTING REQUIREMENTS
4.1 Exceedance Reporting of Operational Parameters

The Permittee shall submit a written report to DEQ of any exceedance of the parameters specified in Sections 1 and 2 of this permit, within a reasonable time of the exceedance in accordance with IDAPA 16.01.01.130-136.

4.2 Certification of Documents

All documents, including, but not limited to, progress reports, records, monitoring data, supporting information requested for confidential treatment, testing reports, or compliance certifications, shall contain a certification by a responsible official in accordance with IDAPA 16.01.01.123. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certification shall provide the signature and title of the responsible official and the date of the signature.

| | |
|------------------|-------------------|
| ISSUED DATE: | DECEMBER 23, 1998 |
| EXPIRATION DATE: | JANUARY 16, 2001 |

RES:j...IdSupremePotatoes.PMT

**AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION**

Idaho Supreme Potatoes, Incorporated
Tier II Operating Permit
Firth, Idaho

PERMIT NUMBER

0 1 1 - 0 0 0 1 3

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Process Dehydration Lines

1. EMISSION LIMITS
1.2 Visible Emissions

Visible emissions from the exhaust stack shall not exceed twenty percent (20%) opacity over a period or periods aggregating more than three (3) minutes in any sixty (60) minute period in accordance with IDAPA 16.01.01.625.

2. OPERATING REQUIREMENTS
2.1 Operating Hours
2.1.1 Yearly Operation

The Permittee shall operate the process lines for a period not to exceed 7,920 hours per year on an annual rolling basis.

2.1.2 Throughput

The total clean raw potatoes processed shall not exceed a rate of 72,338 pounds per hour (lb/hr) or 287,000 tons per year (T/yr), on an annual rolling basis and per applicant's request.

3. MONITORING REQUIREMENTS
3.1 Operation Parameters Monitoring

The Permittee shall record the following parameters in a rolling annual log to verify compliance with Section 2.1 of this permit. The log shall be kept at the facility for a minimum period of two (2) years and shall be made available to DEQ representatives upon request.

3.1.1 Calendar date, operating time, and throughput of each process line that is in operation. These records shall be kept as a rolling annual total.

4. REPORTING REQUIREMENTS
4.1 Exceedance Reporting of Operational Parameters

The Permittee shall submit a written report to DEQ of any exceedance of the parameters specified in Sections 1 and 2 of this permit, within a reasonable time of the exceedance in accordance with IDAPA 16.01.01.130-136.

4.2 Certification of Documents

All documents, including, but not limited to, progress reports, records, monitoring data, supporting information requested for confidential treatment, testing reports, or compliance certifications, shall contain a certification by a responsible official in accordance with IDAPA 16.01.01.123. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete. The certification shall provide the signature and title of the responsible official and the date of the signature.

ISSUED DATE: DECEMBER 23, 1998
EXPIRATION DATE: JANUARY 16, 2001

RES-01_SupremeIdaho.r.PMT

**AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION**

Idaho Supreme Potatoes, Incorporated
Tier II Operating Permit
Firth, Idaho

PERMIT NUMBER

0 1 1 - 0 0 0 1 3

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Appendix A

Appendix A

Idaho Supreme Potatoes, Incorporated - Firth
Emission Limits^a - Hourly (lb/hr) and Annual (T/Yr)^b

| PROCESS DESCRIPTION | PM/PM ₁₀ | | SO ₂ | | CO | | NO _x | | VOC | |
|---|---------------------|------|-----------------|------|-------|-------|-----------------|-------|-------|------|
| | lb/hr | T/yr | lb/hr | T/yr | lb/hr | T/yr | lb/hr | T/yr | lb/hr | T/yr |
| Bigelow Boiler Natural Gas/ Cleaver Brooks | 1.39 | 4.79 | 0.07 | 0.23 | 6.76 | 23.36 | 8.97 | 31.02 | 0.19 | 0.65 |
| Bigelow Boiler Diesel | 2.52 | 0.36 | 8.95 | 1.29 | 6.26 | 0.91 | 25.20 | 3.63 | 0.25 | 0.04 |
| Aggregate of all other Natural Gas Sources: | 0.47 | 1.9 | 0.05 | 0.15 | 1.15 | 3.97 | 5.0 | 17.25 | 0.27 | 0.92 |
| Aggregate Dehydration Processes ^c | 14.47 | 50.0 | | | | | | | | |

- a As determined by a pollutant specific promulgated U.S. EPA method, or DEQ approved alternative, or as determined by DEQ's emission estimation methods used in this permit analysis.
- b As determined by multiplying the actual or allowable (if actual is not available) pound per hour emission rate by the actual hours per year that the process operates.
- c As requested by the applicant, Idaho Supreme Potatoes, Incorporated.

ISSUED DATE: DECEMBER 23, 1998
EXPIRATION DATE: JANUARY 16, 2001

REB:j...IdahoSupremePotatoes.PMT

TIER II OPERATING PERMIT GENERAL PROVISIONS

- A. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules for the Control of Air Pollution In Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et. seq.
- B. The Permittee shall at all times (except as provided in the Rules for the Control of Air Pollution In Idaho) maintain in good working order and operate as efficiently as practicable, all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- C. The Permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
- 1) To enter upon the Permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and
 - 2) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack emission testing (i.e., performance tests) in conformance with state approved or accepted EPA procedures when deemed appropriate by the Director.
- D. Except for data determined to be confidential under Section 39-111, Idaho Code, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environmental Quality.
- E. Nothing in this permit is intended to relieve or exempt the Permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
- F. In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the Permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- G. This permit shall be renewable on the expiration date, provided the Permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.
- H. The Director may require the Permittee to develop a list of Operation and Maintenance Procedures which must be approved by DEQ. Such list of procedures shall become a part of this permit by reference, and the Permittee shall adhere to all of the operation and maintenance procedures contained therein.
- I. Performance tests (i.e.; air emission source tests) conducted pursuant to testing requirements in this permit must be conducted in accordance with DEQ's Procedures Manual for Air Pollution Control. Such testing shall not be conducted on weekends or state holidays unless the Permittee obtains prior DEQ approval.

The Permittee shall submit a test protocol and a proposed test date for each performance test required by this permit to DEQ for approval at least thirty (30) days prior to each respective test date (including each test date for periodic tests such as, for example, annual tests). The Permittee shall promptly notify DEQ of any change in the proposed test date and shall provide at least five (5) working days advanced notice prior to conducting any rescheduled test, unless DEQ approves a shorter notice period.

Within forty-five (45) days of the date on which a performance test required by this permit is concluded, the Permittee shall submit to DEQ a performance test report for the respective test. The performance test report shall include any and all process operating data required to be recorded during the test period as well as the test results, raw test data, and associated documentation.

The maximum allowable source operating rate shall be limited to 120% of the average operating rate attained during the most recent performance test conducted pursuant to this permit which demonstrated compliance with the respective pollutant emission limit unless; (1) a more restrictive operating limit is specified elsewhere in this permit or, (2) at such an operating rate, emissions would exceed any emission limit(s) set forth in this permit.

- J. The provisions of this permit are severable; and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

| | |
|------------------|-------------------|
| ISSUED DATE: | DECEMBER 23, 1998 |
| EXPIRATION DATE: | JANUARY 16, 2001 |

REG-29 - Idaho Permit Template - PMT